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- allowing the maintainer composition to remain on the surface for a period of time; and

-removing excess that portion of the maintainer composition not filling in the pores from the surface;

wherein the porous surface has a slip coefficient of friction value of at least 0.5 after removing excess the portion of the maintainer composition not filling the pores from the surface.

REMARKS

Claims 1-11, 13-16 and 18-25 are currently pending in the application. Claims 1, 10, 18 and 25 have been amended. Claims 12 and 17 have been cancelled. Support for these claim amendments may be found throughout the specification as filed and in particular at pages 8 and 11 of the specification and Examples 1-12.

In view of the foregoing amendments and following remarks, reconsideration and withdrawal of the rejections to the application in the Office Action is respectfully requested.

In the Office Action, the Examiner maintained the rejection of claims 1-15 under 35 USC §112, first paragraph, because the Examiner took the position that the specification, while being enabling for "concrete", does not reasonably provide enablement for a "soiled porous surface". With the enclosed amendments, Applicants believe that the claims as amended overcome this rejection.

In the Office Action, the Examiner rejected claims 1-25 under 35 USC § 103(a) as being unpatentable over U.S. Patent No. 5,656,683 to Ruggiero, et al. further in view of U.S. Publication No. 2002/0065355 to Terase, et al. Applicants respectfully disagree with the Examiner's assessment regarding the patentability of the rejected claims based on Ruggiero, et al. '683 further in view of Terase, et al. '355.

The currently pending claims are directed to a method for enhancing the appearance of a concrete surface which includes pores. The method includes applying a concentrated alkaline cleaning composition to the soiled surface, allowing the cleaning composition to remain on the

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surface for a period of time and rinsing the surface with water. Thereafter, a maintainer composition, which includes a pore-filling component is applied to the surface. The pore-filling component is selected from the group consisting of plasticizers, surfactants, soaps, oils and combinations thereof. The maintainer composition is diluted with water at a dilution ratio of 1:64 to 1:512, maintainer composition to water prior to application to the surface. The maintainer composition remains on the surface for a period of time, after which excess maintainer composition, that portion of the maintainer composition not filling in the pores, is removed from the surface. At no time is the maintainer composition allowed to dry on the surface, and is, as previously argued, at the dilution ratio practiced by the inventive method incapable of coating formation. Further, the subsequent removal of that portion of the maintainer composition not filling in the pores from the surface after application would make uniform coating formation difficult at best, if not impossible. Contrary to the Examiner's assertion, the maintainer composition utilized in the inventive method would not be considered a "coating composition" by one of ordinary skill in the art because of its content, application dilution ratio, and subsequent removal. Contrary to the Examiner's citation of paragraph 0015, the excess maintainer is not allowed to dry but rather a careful analysis of paragraph 0015 of the specification indicates that "any excess maintainer is then rinsed and removed from the surface. The surface is then allowed to dry." (Emphasis Added).

Further, the Examiner's citation to paragraph 0030 of the specification and Figure 4 as support for film formation is incorrect. An analysis of Merriam-Webster's Collegiate Dictionary, Tenth Edition, a copy of which is enclosed for the Examiner's reference, indicates that the word "film" has several definitions, one of which is "a thin covering or coating". Another definition is "an exceedingly thin layer". Applicants understand that Examiner's position of the word "film" refers to the former definition, while Applicants' use of the term in the specification was in reference to the latter definition, "an exceedingly thin layer" Merriam-Webster, Incorporated, Merriam-Webster's Collegiate Dictionary, Tenth Edition, Pg. 435 (2000). This is consistent with Applicant's position and the description found in the specification of the instant invention in that the maintainer composition at the dilution ratios would not provide for "a film or coating formation". Further, as evidenced by the enclosed Declaration of David H. Mauer, the terms "film" and "coating" are not interchangeable to one of

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ordinary skill in the art. Rather, one or ordinary skill in the art would understand the term "film"

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to mean a thin layer of either a liquid, gel or solid material. Conversely, the term "coating" is understood in the surface care area to mean a continuous layer of a solid material. Thus, a "coating" is one type of film, but not all films are coatings. This is consistent with Applicants' use of the term "film" in the specification as a thin layer of the maintainer composition. Applicants make no mention of a coating composition or application of a "coating" other than to distinguish the inventive method from the prior art.

As previously discussed, the Ruggiero, et al. '683 reference relates to a cleaning composition comprising a) at least one additive selected from the group consisting of detergents, corrosion inhibitors, organic and aqueous carriers, and combinations thereof, b) a wetting/cleaning agent selected from the group consisting of piperazine-substituted organosulfonates, piperazinone-substituted organosulfonates, and combinations thereof, and c) a surfactant selected from a group consisting of alcohol alkoxylates, organic and inorganic salts of polycarboxylated alcohol alkoxylates, and combinations thereof. The Examiner has previously acknowledged that the Ruggiero, et al. '683 reference discusses the cleaning of concrete, but does not include or disclose subsequently applied coating components.

As previously discussed, contrary to the Examiner's assertion, the present invention does not disclose subsequently applied coating components. Rather, Applicants' invention is clearly directed to a maintainer composition which does not form a coating in the sense of the Terase, et al. '355 reference, relied on by the Examiner. One of ordinary skill in the art would be expected to apply a coating composition which forms a semi-permanent or permanent coating to the surface after a cleaning based on the prior art. To provide for formation of such a coating, this coating composition would not be removed from the surface prior to drying. This is contrary to the present invention which seeks to remove the excess maintainer composition, i.e. that portion of the maintainer composition not filling in the pores of the surface, and, as previously discussed, not form a permanent or semi-permanent coating. The shortcomings of such a coating formation and use on a porous surface are discussed in the "Background" section of the present application. Such applications are distinguished from the presents invention which does not leave a "coating" on the surface. Further, as an additional step, the inventive method can include reapplication of

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the maintainer composition on a periodic basis. One of ordinary skill in the art would know that a coating composition which forms a semi-permanent or permanent coating would trap and encase dirt particles and result in a soiled surface as is confirmed by the Declaration of David H. Mauer. Conversely, subsequent reapplication of the maintainer composition of the present invention to the surface and subsequent removal of the excess on a periodic basis removes soil from the surface. Clearly, Applicants' invention would not be obvious to one of ordinary skill in the art in view of Ruggiero, et al '683.

As previously pointed out to the Examiner, the Terase, et al. '355 reference is directed to a floor polishing composition containing a "film-formable" organic high molecular material as the main component, which further contains at least scaly particles. The Terase, et al. '355 reference is clearly directed to coating formation and coating a surface with a permanent or semi-permanent coating where smoothness of the coating is critical. In particular, the Terase, et al. '355 reference requires a coating amount by one time is 1 to 10 g/m² as a solid content to the applied floor. See paragraph 116. The Terase, et al. '355 reference requires that the coating be applied to the surface and allowed to <u>dry</u>.

As previously argued, such a composition as found in Terase, et al. clearly differs from the maintainer composition of the present invention, contrary to the Examiner's assertion. As previously mentioned, the inventive method requires that the maintainer composition be applied to the surface and then subsequently that portion not filling the pores is removed utilizing, for instance, a wet-vac machine. Therefore, no coating formation is allowed to occur. As previously argued and supported by the Declaration of David H. Mauer, one of ordinary skill would readily recognize that even if a true coating composition was applied to a surface, it would never be subsequently removed prior to drying since such removal would not result in continuous film coating formation. A coating composition must be applied appropriately and allowed to remain on the surface <u>undisturbed</u> until dry for continuous film coating formation. (Emphasis added). Declaration of David H. Mauer.

Further, the required dilution of the maintainer composition prior to application to the surface would not allow for coating formation even if the diluted maintainer composition was

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allowed to dry on a surface because there are no potentially solid coating forming components present in sufficient quantities to form such a coating. This is supported by the Declaration of David H. Mauer in which he indicates that the maintainer composition at the dilution ratio as required by the present invention would in no way form a coating. As previously mentioned, what Applicants desire is that the pore filing component of the maintainer composition fill the pores of the porous concrete surface, not to form a coating but to temporarily fill the gaps or pores thereby preventing soil particles from becoming reembedded or deposited in such pores. See paragraph 0030. That portion of the maintainer composition not embedded in the pores is removed from the concrete surface, for example, by vacuuming. Further, as evidenced by the Declaration of David H. Mauer, either undiluted maintainer composition, or maintainer composition diluted at the dilution ratios of the inventive method will not form a coating. Rather, the result would be a free flowing, high viscosity, liquid that is slippery to the feel and has no durability as is associated with a solid coating." Declaration of David H. Mauer.

Additionally, as previously discussed, as a further step, the inventive method can include reapplication of the maintainer composition on a periodic basis. As is evidenced by the enclosed Declaration of David H. Mauer, one of ordinary skill in the art would know that a coating composition which forms a semi-permanent or permanent coating as in Terase, et al '355 would trap and encase dirt particles and result in a soiled surface which would have to be stripped from the surface to remove the soil. Conversely, reapplication of the maintainer composition at the suggested dilution ratios of the present invention to the surface on a periodic basis and subsequent removal of the excess portion of the maintainer composition not filling in the pores of the surface removes soil from the surface.

Clearly, the formulations of the Terase, et al. '355 reference are coating compositions which form permanent or semi-permanent coatings which are different from the maintainer composition of the present invention. Additionally, the combination of the Ruggiero, et al. '683 reference and the Terase, et al. '355 reference, in no way teach, suggest nor render obvious the present invention. The Ruggiero, et al. '683 reference makes no mention of applying a diluted maintainer composition to a surface after cleaning with a cleaning composition. The Terase, et al. '355 reference does not teach a diluted maintainer composition as in the present invention, but

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rather is directed to a coating composition which forms a permanent or semi-permanent coating on a surface. Such a coating composition is allowed to dry on the surface and is not removed prior to evaporation of all the volatile components. As previously discussed, the maintainer composition of the inventive method does not form such a permanent or semi-permanent coating on the surface and is incapable of forming such a coating, based on its dilution ratios. The Terase, et al. '355 reference clearly teaches the necessity of forming a coating on the surface. Therefore, a combination of the Ruggiero, et al. '683 reference and Terase, et al. '355 reference would result in a porous concrete surface coated with a permanent or semi-permanent coating, something clearly distinguished as problematic, undesirable and expensive in the "Background" section of the present application. Thus, the present invention is in no way rendered obvious by the Ruggiero, et al. '683 reference further in view of the Terase, et al. '355 reference.

CONCLUSION

In view of the foregoing remarks and amendments, Applicants respectfully request that the Examiner reconsider and withdraw the rejections discussed above. Applicants also solicit an early notification of allowance. If Examiner Petruncio has any questions, or believes a telephone discussion would expedite prosecution, he is invited to contact the undersigned at telephone number 262-631-4495.

The Office is hereby authorized to charge any fees which may be due, or to credit any overpayments made, to Deposit Account No. 50-0231.

Respectfully submitted,

Dated: July 18, 2005

Renee J. Rymarz Registration No. 35,666

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Merriam-Webster's Collegiate Dictionary

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